



**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
SIR C.V. RAMAN INDUSTRIAL TRAINING INSTITUTE, DHEERPUR**

**TENDER / BID DOCUMENT**

**FOR**

**SUPPLY & INSTALLATION OF SPECIAL AND CONVENTIONAL  
MACHINES FOR TOOL & DIE TRADE (ITEM-WISE EVALUATION)**

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**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
SIR C.V. RAMAN INDUSTRIAL TRAINING INSTITUTE  
(DEPARTMENT OF TRAINING & TECHNICAL EDUCATION)  
DHEERPUR (NEAR SANT NIRANKARI SAROVAR)  
DELHI-110009**

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E-mail: [iticvraman.delhi@gmail.com](mailto:iticvraman.delhi@gmail.com)**

**FACT-SHEET**

S. No.	Particular	Details
1	Tender Reference No.	F.5(4)/SCVRITI/PUR./Tool & Die/Cap. Items/2017-2018/1340
2	Tender ID on Delhi Govt. e-procurement web-portal	<b>2017_CVITI_132028_1</b>
3	Selection Method	Technical Evaluation with Least Cost based selection
4	Availability of Tender / Bid Document	Tender/Bid Document can be downloaded from e-Procurement platform of Delhi Government i.e. <a href="https://govtprocurement.delhi.gov.in">https://govtprocurement.delhi.gov.in</a> and can also be downloaded from website of this Institute i.e. <a href="http://www.scvriti.delhi.gov.in">www.scvriti.delhi.gov.in</a>
5	Earnest Money Deposit (EMD)	Earnest Money Deposit amounting to <b>Rs.01.50Lakhs (Rupees One Lakh Fifty Thousand Only)</b> in the form of FDR / Account Payee Demand Draft / Banker's Cheque / Bank Guarantee in favour of <b>DDO, Sir C.V. Raman ITI Dheerpur and payable at Delhi</b> and issued from any of the nationalized Scheduled Commercial Banks located in Delhi/NCR valid for a period of <b>225days (180+ 45)</b> . Original EMD must be submitted physically at the <b>Reception / Office of the Principal, Sir C.V. Raman ITI, Dheerpur Delhi-110009</b> , before closing date & time of submitting / uploading the bid on e-procurement web-site i.e. <b>28/07/2017 up to 11.00AM</b>
6	Performance Bank Guarantee (PBG)	5% of the total cost of Work / Supply order in the form of FDR/Bank Guarantee in favour of DDO, Sir C.V. Raman ITI Dheerpur, payable at Delhi and issued from any of the nationalized Scheduled Commercial Banks located in Delhi / NCR.
7	Nodal Officer for correspondence and clarification	Principal, Sir C.V. Raman Industrial Training Institute (Department Of Training And Technical Education) Dheerpur, Delhi-110009 e-mail: <a href="mailto:iticvrman.delhi@gmail.com">iticvrman.delhi@gmail.com</a> Tel. No.: 011-27608082, 011-27608083
8	Last date of bid submission / uploading	Bid must be uploaded on or before the <b>28/07/2017 up to 11:00AM</b> only on e-procurement portal
9	Opening of Technical Bid	<b>28/07/2017 at 02:00PM</b>
10	Opening of Financial Bid	After Successful Clearance of Technical Evaluation

GOVERNMENT OF NCT OF DELHI  
SIR C.V RAMAN INDUSTRIAL TRAINING INSTITUTE  
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F.5(4)/SCVRITI/PUR./Tool & Die/Cap. Items/2017-18/1340

Dated: 28/06/2017

**E-PROCUREMENT**

(<https://govtprocurement.delhi.gov.in>.)

**TENDER DOCUMENT**

On-line Bids are invited from the Reputed Manufacturers OR Authorized Distributors / Dealers of Manufacturer OR Suppliers for Supply & Installation of **SPECIAL AND CONVENTIONAL MACHINES** required for training purpose in **TOOL & DIE TRADE**, as per the specification given in the **Annexure-I**, so as to upload on E-Procurement web-site i.e. <https://govtprocurement.delhi.gov.in>. not later than **28/07/2017 up to 11.00AM**

**INSTRUCTIONS TO BIDDERS**

**1. Eligibility for Bidders:**

- 1.1 The Bidder must be a Reputed Manufacturer OR Authorized Distributor / Dealer of Manufacturer OR Supplier. If, bidder is an authorized distributor / dealer of manufacturer, he must upload legible self attested scanned copy authorization certificate issued by the manufacturer.
- 1.2 The Bidder must be registered with the VAT/ GST Department of Govt. of NCT of Delhi and carry a valid TIN issued by it. The bidder carrying out all his business activities from outside Delhi is also required to be registered with the VAT / GST Department of Delhi and carry a valid TIN issued by it. The Bidder must upload legible self attested copy of DVAT registration certificate or TIN.
- 1.3 The Bidder must have Permanent Account Number (PAN). Self attested copy of PAN must be uploaded.
- 1.4 The Bidder must have average financial Turnover of **Rs.22.35Lakhs** during the last 3 financial years (2016-2017, 2015-2016 & 2014-2015). The Bidder must upload Self attested scanned copy of Documentary proof indicating the annual Turnover for the last three financial years (2016-2017, 2015-2016 & 2014-2015) in the form VAT paid acknowledgment or any other relevant document duly signed by the concerned Government officer indicating the annual turnover therein or Balance Sheet duly signed by Chartered Accountant or any other relevant document showing turnover duly signed by Chartered Accountant

- 1.5 The Bidder should quote the specifications & makes / brands of items as per specifications mentioned in annexure-I of the Bidding Documents. If, there is any deviation in the specifications & brands / makes of the machines, Bidder must mention the deviation in the deviation column of Annexure-I and ***shall makes own arrangement to demonstrate / show the machine, for which deviation in specifications / make w.r.t. tender document specification is quoted, to the Technical Expert Committee of this Institute up to 21/07/2017 for approval of committee.***  
Do not mention best quality / good quality / superior quality etc., but give make / brand of the item quoted. Self attested copy of duly filled Annexure-I must be uploaded.
- 1.6 The bid must be valid for 180 days from the date of opening of financial bid. A Bid valid for a shorter period will be rejected as non-responsive.
- 1.7 **EARNEST MONEY DEPOSIT (EMD)**
- (a) Bidder shall submit, along with bid, EMD of **Rs. 01.50Lakh (Rupees One Lakh Fifty Thousand only)** in the form of FDR or Bank Guarantee only issued by any Nationalized commercial bank in an acceptable form in favour of **D.D.O, Sir C.V. Raman ITI Dheerpur payable at Delhi, and should be valid** for a period forty five (45) days beyond the date of the bid validity i.e. 225days (180+45). In case the bid is not successfully closed within 180days, bidders may have submit renewed EMD.
- (b) EMD of all unsuccessful bidders would be refunded by Sir C.V. Raman ITI within 15 days of the bidder being notified as being unsuccessful. The EMD of successful bidder would be returned upon submission of Performance Guarantee.
- (c) The EMD amount is interest free and will be refundable to the unsuccessful Bidders without any accrued interest on it.
- (d) The bid / proposal submitted without EMD will be summarily rejected.
- (e) The EMD may be forfeited:
- If a bidder withdraws its bid after closing date and time of bid and during the period of bid validity.
  - In case of a successful bidder, if the bidder fails to sign the contract in accordance with this Tender/ Bid Document.
- (f) Original EMD in a sealed envelope shall be dropped in the box placed at ***Reception of this Institute***, before closing date & time of submitting / uploading the bid on e-procurement web-site i.e. 28/07/2017 up to 11.00AM. Any tender without physical submission of requisite EMD will be rejected straightway.
- 1.8 Firms registered with DGS&D / NSIC are exempted from submitting the E.M.D only if they are registered for the same quoted item / items and with the condition that they submit / upload scanned copy of proof for its registration and its validity.

- 1.9 If, the Bidder is manufacturer, he must furnish the details of its organization, stating number of personnel employed, manufacturing facilities, after sales service facilities and quality control systems in the Annexure-II.

**OR**

If, the Bidder is Authorized Distributor / Dealer, he must furnish the details of its organization, stating no. of personnel employed, ties up for after -sales-service facilities, whether he is authorized dealer or not for the items he is intending to supply, how he will provide after- sales- service etc. in the Annexure-II.

- 1.10 The Bidder must furnish details of their customers with full address, telephone no., etc. and details of similar supplies made, during the last two financial years, in the Annexure-II.
- 1.11 A self-certified letter by the authorized signatory of the bidder that “the bidder has not been blacklisted by any Central / State Government (Central/State Government and Public Sector) or under a declaration of ineligibility for corrupt or fraudulent practices” as on bid submission date must be submitted.
- 1.12 Bidder must agree to all Terms & Conditions of Bid Document and must upload duly filled self attested **Annexure-II** In token of acceptance.

## **2. Technical specifications**

The detailed Technical specifications, quantity required are mentioned in **Annexure-I**.

## **3. Cost of Biding**

- 3.1 The Bidder shall bear all the costs associated with the preparation and submission of its Bid, and the Principal hereinafter referred to as “the purchaser”, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.
- 3.2 The Bidder is expected to examine all instructions, forms, terms and conditions in the Bid documents. Failure to furnish all information required by the Bid documents or submission of a Bid not substantially responsive to the documents in every respect will be at the Bidder’s risk and may result in the rejection of its Bid.

## **4. Documents to be uploaded with the Bid:**

### **I “TECHNICAL BID”**

- (i) Self attested scanned copies of all the documents in support of the Eligibility of Bidder as mentioned in the **Clauses 1.1 to 1.12**.
- (ii) Specifications & Makes of items quoted and deviation if any, w.r.t. Annexure-I of the bidding document.

## II - "COMMERCIAL BID"

- (i) A complete price in Rupees in the prescribed Performa of BOQ must be filled & signed and uploaded on the website.

### 5. Bid Validity

- 5.1 Bids shall remain valid for 180days after the date of Financial Bid opening. A Bid valid for a shorter period may be rejected as non-responsive.

### 6. Delivery Period

- 6.1 12 (Twelve) Weeks from the date of placing the supply order for all the items.
- 6.2 The Bidder quoted longer delivery period than the stipulated as above, for the purpose of evaluation only, an amount of 1% per week shall be added to the price to compare all the firms on equal footing.

### 7. Forfeiture of Bid Security

- 7.1 The Bid security will be forfeited
  - i) If, the Bidder withdraws its Bid during the period of Bid validity;
  - ii) In the case of successful Bidder, if the Bidder fails to sign the contract or fails to submit the Performance Security.

### 8. Extension of validity of Bids

- 8.1 In exceptional circumstances, the purchaser may solicit the Bidder's consent to an extension of the period of validity of 180days. The request and the responses thereto shall be made in writing. The validity of EMD provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security. A Bidder granting the request will not be required nor permitted to modify its Bid.

### 9. Opening / Downloading of Technical Bid by purchaser

- 9.1 The purchaser will open / download "Technical Bids" in the presence of Bidders' representatives only who choose to attend, at 02.00PM on 28/07/2017 in the room of Principal, Sir CV Raman ITI, Dheerpur, Delhi.
- 9.2 The Bidders representatives, who are present, shall sign attendance register / sheet evidencing their attendance.

- 9.3 In the event of the specified date of Tender opening / downloading being declared a holiday for the purchaser, the Tenders shall be opened at the appointed time and location on the next working day.
- 9.4 The Bidders name, modifications or, Tender withdrawals and the presence or absence of the requisite EMD, registered with DGS&D/NSIC and such other details as the purchaser, at its discretion, may consider appropriate will be announced at the opening.

## 10. Bid Rejection

The Bid will be rejected under any one or more of the following cases: -

- 10.1 Non-production of original documents for verification, if required.
- 10.2 Non-submission of requisite Bid Security (EMD) physically, before closing date & time of submitting / uploading the bid on e-procurement web-site i.e. 28/07/2017 (up to 11.00AM)
- 10.3 Not meeting the Technical Specification.
- 10.4 If Bidder found indulging in malpractice of pooling of Bid.
- 10.5 If bidder is not found eligible as per requisite criteria mentioned in the clause 1.
- 10.6 If the quoted rates are not as per criteria.
- 10.7 If a firm quotes NIL rates, the bid shall be treated as unresponsive and will not be considered.
- 10.8 If the Technical Bid and / or Commercial Bid is not signed and stamped

## 11. Opening / Downloading of Commercial Bid by purchaser

- 11.1 The Commercial Bids of the bidders, who qualifies in technical Bid evaluation, ***will be opened after the successful clearance of Technical Evaluation*** in the office of Principal, Sir C.V. Raman ITI, Dheerpur, Delhi in the presence of Bidders' representatives who choose to attend.
- 11.2 The Bidders' representatives who are present shall sign attendance register / sheet evidencing their attendance.
- 11.3 In the event of the specified date of Bid opening being declared a holiday for the purchaser, the Bids shall be opened at the appointed time and location on the next working day.

**12. Evaluation and Comparison of Bids**

- 12.1 The purchaser will evaluate and compare the total Bid Price for each item, which have been determined to be substantially responsive as per the clause-1 (Each item-wise L-1 Evaluation)
- 12.2 The purchaser's price evaluation of a Bid will be as per B.O.Q. No other charges will be paid or considered.

**13. Purchaser's right to accept any Bid and to reject any or all Bids**

- 13.1 The purchaser reserves the right to accept or reject any Bid, and to annul the Bid process and reject all Bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders of any obligation to inform the affected Bidder or Bidders of the grounds for the purchaser's action.

**14. Notification of contract and placement of supply order**

- 14.1 Prior to the expiration of the period of Bid validity, the purchaser will notify the successful Bidders in writing that its Bid has been accepted.
- 14.2 The notification of award will constitute the formation of the contract.
- 14.3 Upon the successful Bidder's furnishing of Performance Security, the purchaser will promptly notify each unsuccessful Bidder and will discharge its EMD.

**15. Signing of contract**

- 15.1 At the same time as the purchaser notifies the successful Bidder that its Bid has been accepted, the purchaser will send the Bidder the Contract Form provided in the Bid documents, incorporating all agreements between the parties.
- 15.2 Within 7 days of receipt of the contract form, the successful Bidder shall sign and date the contract and return it to the purchaser.

**16. Warranty**

- 16.1 The supplier warrants that the goods supplied under this contract are new, unused and most recent. The supplier further warrants that the goods supplied under this contract shall have no defect arising from design or materials or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods in the conditions at consignee place.
- 16.2 This warranty as stated above shall remain valid for **24 months or more as given by the Original Equipment Manufacturer for all the items**, after the goods or any portion thereof as the case may be, have been delivered and commissioned to the final destination indicated in the contract.



- 16.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 16.4 Upon receipt of such notice, the supplier shall, with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 16.5 If the supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to forfeit the Performance Bank Guarantee.

## 17. Performance Security

- 17.1 The successful Bidder has to deposit a performance security, which will be the 5% (Five percent) of the total value of contract. The performance security should be in the form of FDR or Bank Guarantee from a Nationalized Commercial bank in favour of "D.D.O. Sir C.V. Raman ITI, Delhi-09". The Performance Security (Security Money) shall bear no interest. The Performance Security should valid for a period of 60days beyond the completion of all contractual obligations by the supplier including warranty / guarantee period. The performance security will be forfeited in case the successful Bidder fails to supply as per the contract /supply order or fail to meet the obligations under warranty / guarantee period.
- 17.2 Failure of the successful Bidder to furnish the Performance Security shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid security (EMD).

## 18. Inspection

- 18.1 The inspection of the Goods shall be carried out to check whether the Goods are in conformity with the technical specifications attached to the contract.
- 18.2 The final inspection of the ordered goods shall be carried out by the Technical Expert Committees duly constituted by the Principal / H.O.O. of the institute.
- 18.3 Firms fail to supply the items as per specification mentioned in the supply order within stipulated time, its performance security will be forfeited.

## 19. Penalty for late deliveries

- 19.1 If the supplier fails to deliver any or all of the goods or to perform the services within delivery period of **12 (Twelve) Weeks**, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as penalty for late deliveries @ 1% per week for undelivered items.
- 19.2 Once the maximum deduction of 5% is reached, the purchaser will terminate the contract and forfeits the Performance Security for undelivered goods.

**20. Payment**

- 20.1 The Supplier's request for payment shall be made to the Principal in writing, accompanied by an invoice describing, as appropriate, the Goods delivered, rate and amount.
- 20.2 Payments shall be made promptly by the Purchaser but in no case later than sixty days of after submission of an invoice / bill or claim by the supplier.

**21. Purchaser right to vary quantities at the time of Award**

- 21.1 The purchaser reserve the right at the time of award of contract to increase or decrease by up to 25% (Twenty Five Percent) the quantity of goods specified in the schedule of requirement without any change in price or other terms & conditions.

**22. Termination for Default**

- 22.1 The purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the contract in whole or in part:
  - (a) If the supplier fails to execute the supply order by the date specified in the order or within any extension thereof granted by the purchaser.
  - (b) If the supplier fails to perform any other obligation(s) under the contract.
  - (c) If the supplier, in the judgment of the purchaser has engaged in corrupt or fraudulent practices in executing the contract.

**23. Force Majeure**

- 23.1 Notwithstanding the provisions of clause 19 & 22 the supplier shall not be liable to forfeiture of its performance security, liquidated damages of termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of force majeure.
- 23.2 "Force Majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the purchaser either in its sovereign or contractual capacity, wars or revolution, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 23.3 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternatives means for performance not prevented by the force majeure event.

**24. Resolution of disputes**

- 24.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.
- 24.2 Any dispute is subject to the jurisdiction of Delhi courts only.

**25. Site Inspection**

- 25.1 Bidders are advised to inspect the site at Sir C.V. Raman ITI Dheerpur, Delhi-110009 and its surroundings where these Machines are to be installed and satisfy them before submitting their tenders. A bidder shall be deemed to have full knowledge of the work whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed.

**26. Language**

- 26.1 The Proposal should be filled by the bidders in English language only. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Bidders. For purposes of interpretation of the documents, the English translation shall govern.

**27. Special Instructions:**

- 27.1 ***Supplier/ Bidder must ensure to upload the self attested legible scanned copies of all the documents in support of the Eligibility of Bidder as mentioned in the Clauses 1.1 to 1.12.***
- 28.2 Tender/Bid will not be accepted, in any case, from the following firms/companies without citing any reason, being black-listed by DTTE:
- 1) M/S Impex Sales India
  - 2) M/S Sachdeva Sales Corporation
  - 3) M/S Sameer Traders
  - 4) M/S India Tool House
  - 5) M/S Usha & Co

**NOTE: ANY CORRIGENDUM / ADDENDUM, IF ANY WILL BE PUBLISHED ON DELHI GOVT. E-PROCUREMENT WEB-SITE ONLY**

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**ANNEXURE -I****IMPORTANT NOTE:**

- The Bidders may quote substitute alternative standards, Brand names in its Bid for any item, provided that it demonstrates equal or better to the specifications of Bidding Document. However, if bidder quotes alternate make / brand for any machine, then shall make own arrangement to demonstrate the machine / machines to the Technical Expert Committee of this Institute up to 21/07/2017 for approval of committee
- Do not mention best quality / good quality / superior quality etc., but give make / brand of the item quoted.

S. NO.	NAME OF THE ITEM WITH SPECIFICATIONS	MAKE / BRAND	QTY.	UNIT	Deviation in specification & make / brand, if any
1	<p><b>Wire EDM (Re-usable Molybdenum wire and auto wire Tension system) supported by suitable servo stabiliser with auto cut programming, Window XP system with preloaded CAD &amp; CAM software and Antivirus, latest High performance CPU (Minimum i3) with minimum 16 GB program storage internal memory and USB port for program loading from pen drive and high resolution coloured monitor, Automatic parameter generating system and DRO for all axes, Ball screws &amp; Hardened LM guide ways for all axes, waterproof copper pulley set, LED machine lamp &amp; tier 3 lamp Alarm signal Tower, full set metallic machine guards and auto centralised lubrication system</b></p> <p>Automatic Power failure recovery</p> <p><b>Machine size &amp; accuracy</b>            Worktable size ( L x W ) = 450 to 550 x 650 to 680 mm            Table travel ( X x Y ) = 250 to 300 x 350 to 400 mm            X, Y axis movement accuracy = <math>\leq</math> 0.005 mm            Positioning accuracy of X &amp; Y-axis = <math>\leq</math> 0.015 mm            Repetitive positioning accuracy of X &amp; Y-axis = <math>\leq</math> 0.002 mm</p>	Makino / Fanuc / Preciwire /Charmillies	01	No.	

<p>Perpendicularity of wire to work table = <math>\leq 0.01</math> mm</p> <p>Radial jumpiness of wire winding drum = <math>\leq 0.02</math> mm</p> <p>U, V axis Travel = 20 x 20 / 50 x 50 mm</p> <p>Z-axis motorized</p> <p>Cutting thickness capability with multipass = <math>\leq 300</math> mm</p> <p>Keys for U &amp; V axis movement for perpendicular setting of wire</p> <p>Taper angle cutting capacity/ plate thickness = <math>\leq \pm 6^\circ/80</math></p> <p>Wire diameter = 0.16 to 0.2 mm</p> <p>High speed machining capability (Transistor pulse circuit with multi levels for current and voltage setting) /MRR with good surface finish &amp; Roughness = <math>\leq 0.8</math> mm (Provide Laser calibration report for prescribed accuracy certified by Renishaw / Carl Zeiss)</p> <p><b>Power Supply</b> = 3 phase, 415 V AC 50 Hz</p> <p><b>Machine casting &amp; structure</b> Must have High grade, rugged casting body with hardened bed ways</p> <p><b>Accessories &amp; consumables</b> De-ionized water working reservoir (min 200 litres) with recyclable dielectric fluid filtration unit (Paper filter pore size = minimum 5-10 micron) with 1<sup>st</sup> Fill along with De-ionising resin of 20 litres pack (De-ionized water &amp; Resin are Consumables) with work piece washing gun, work piece clamping set, Maintenance tool kit, Moly wire</p> <p><b>Standard parts</b> Wire corrector Suitable copper pulley Wire guide pulley Pulley bearing Moly wire role of 1000 meter Moly wire guider</p>			
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	<p>Electrodes Prick test (puppy)/ Lever type dial test indicator (Mitutoyo), accuracy 0.001 mm accessories with magnetic stand = 1 set Digicaliper 200 mm (Mitutoyo) of 0.001 mm accuracy = 1 no.</p>				
2	<p><b>Spark Erosion Machine (EDM)</b> with numerically controlled Z axis( Servo System with feedback absorption system) supported by suitable Servo Stabilizer latest High performance CPU (Minimum i3) with minimum 16 GB program storage internal memory and USB port for program loading from pen drive and high resolution coloured monitor, Preloaded CAD &amp; CAM software, Maximum groups of guiding machining parameters storage (for copper to steel, graphite to steel &amp; steel to steel) for faster removal rate, fine &amp; uniform machining capability On panel program editing facility Must have auto set machining parameters control function</p> <p><b>Machine size &amp; accuracy</b> Travel on X, Y &amp; Z <math>\leq 300 \times 250 \times 250</math> mm (Auto multi stage machining parameters for Z axis Auto Z axis homing &amp; Positioning) With 0.001/0.005 mm accuracy(digital readout) Ball screws &amp; Hardened LM guide ways for X &amp; Y axes Table size( L x W) = 650 x 350 mm having suitable Magnetic Table Day light = <math>\leq 500</math> mm Shut height = <math>\leq 150</math> mm Work head travel = <math>\leq 200</math> mm Servo Travel = <math>\leq 150</math> mm Integrated Work tank( L x W x H) = <math>\leq 850 \times 550 \times 350</math> mm MOSFET/INVERTER machining circuit with High speed machining capability (multi levels for current and voltage setting) /MRR with good surface finish &amp; Roughness = <math>\leq</math></p>	Makino / Fanuc / Precimax /Charmillies	01	No.	

	<p>0.8 <math>\mu</math>RA (Provide Laser calibration report for prescribed accuracy certified by Renishaw / Carl Zeiss)  <b>Min. Electrode wear = <math>\leq</math> 0.2%</b>  <b>Power Supply = 3 phase, 415 V AC 50 Hz</b></p> <p><b>Machine casting &amp; structure</b>  Must have High grade, rugged, tough and quenched wear resistant casting body with hardened bed ways and machine table</p> <p><b>Accessories &amp; Consumables</b>  Universal electrode holder( multi axes fine screw setting)  Portable full function control Remote  LED/Halogen Lamp  Drill Chuck  Work piece clamping kit  Clamping plate  Flushing Nozzle &amp; gun  Levelling Pads  Digicaliper 200 mm (Mitutoyo) of 0.001 mm accuracy = 1 no.  Prick test (puppy)/ Lever type dial test indicator (Mitutoyo), 0.001 mm accuracy with accessories and magnetic stand = 1 set</p> <p>Maintenance Tool Kit  Auto Fire sensor &amp; Extinguisher  Auto Arcing, Dielectric level &amp; temperature sensor  Dielectric fluid filtration &amp; Recycle system with paper filter( pore size min 5 to 10 micron) with extra Cartridge paper supply  Consumable Dielectric fluid drum = min 210liters</p>				
3	<p><b>Power Hacksaw Machine (hydraulic)</b> to accommodate 21' or more length blade Must have minimum 3 speed strokes/minute, Stroke length <math>\leq</math> 150 mm  Max. Cutting Dia. <math>\leq</math> 300 mm  Max. Cutting Square <math>\leq</math> 250 mm  Body should be of high grade casting with rigid &amp; tough construction.</p>	Eifco / ITL / LMT	01	No.	

	<p>Guide ways should be accurately machined and scrapped with rigid frame. Must give jerk less and smooth geared transmission using hydraulic system Auto lift arm on end of cut</p> <p><b>Accessories &amp; Consumables</b> Heavy duty (3 phase 50 Hz 415 V) Electric motor Coolant pump Heavy duty Adjustable Rigid jaw vice with V-jaws for round metal Adjustable metal rest ( Jack type) Machine lamp HSS Hacksaw blades</p>				
4	<p><b>Heavy duty Double ended Pedestal Grinder</b> with <math>\leq 178</math> mm wheels (one fine and one rough) and long life heavy duty bearings Wheel size = <math>\leq 250 \times 25 \times 31.75</math> mm RPM = <math>\leq 2000</math> to 2400 Electric motor = Heavy duty (3 phase 50 Hz 415 V), <math>\leq 1</math>HP Coolant pump and motor Adjustable swivelling Tool Rest Full cover safety guards Floor mounting screws Two grinding wheels = One for HSS tools and one for Silicon carbide tools</p>	Eifco / Praga / Shimato / JMT	01	No.	

**Warranty shall not be less than 24 months or higher as per manufacturer warranty for all the items.**

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**BID FORM**

Date.....

Bid No.....

To

The Principal  
Sir C.V. Raman ITI  
Dheerpur, Delhi.

Sir,

Having examined the Bid Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply in conformity with the said Bid documents in accordance with the schedule of prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods within the delivery period of Twelve Weeks, as specified in the Bid document.

If our Bid is accepted we will submit the Performance Guarantee for an amount equal to 5% of the contract value.

We agreed to all Terms and conditions of **this Bid valid for a period of 180 days from the date fixed for financial bid** opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988", if we find in Bid pooling or against law against fraud and corruption my / our firm may be black listed.

**Further we certify that our organization is not blacklisted by any Govt. Department.**

Dated\_\_\_\_\_

(Signature)  
SEAL

**Contd. on page 2/- Bid Form-**

**Page 2/- of Bid Form**

The other details required in the Bid documents are as under: **Give all details attached separate sheets if required.**

Nature of Firm: Manufacturer or Authorized dealer.

**For “Manufacturers”**

1. No. of personnel employed,
2. Manufacturing facilities,
3. After-sales-service facilities
4. Quality control systems.

**For “Authorized Distributor / Dealer”**

1. Stating no. of personnel employed,
2. Tie-ups for after-sales-service facilities,
3. Whether authorized dealer or not for the items he is supplying.
4. How he will provide the after-sales-service for the items he is supplying during the warrantee / Guarantee period.

**The detail of customers** during the last two years i.e. between 01.04.2015 to 31.03.2017 to whom they have supplied similar type of items

Sr. no.	Name of Customer	Address	Phone No.	Machine supplied

Dated \_\_\_\_\_

(Signature)  
SEAL

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**CONTRACT FORM**

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_ between (Name of Purchaser & address) (hereinafter “the Purchaser”) of the one part and (Name of Supplier & address) (hereinafter “the Supplier”) of the other part:

WHEREAS the purchaser is desirous that certain Goods and ancillary Services should be provided by the Supplier, viz, (Brief Description of Goods and Services) and has accepted a bid by the Supplier for the supply of those Goods and Services in the sum of (Contract Price in Words and Figures) (hereinafter “the Contract Price”).

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - (a) The Bid Form and the Price Schedule submitted by the Bidder;
  - (b) The Schedule of Requirements;
  - (c) The Technical Specifications;
  - (d) The General Conditions of Contract;
  - (e) The Special Conditions of Contract; and
  - (f) The Purchaser’s Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the  
Said \_\_\_\_\_ (For the Purchaser)  
In the presence of: \_\_\_\_\_

Signed, Sealed and Delivered by the  
Said \_\_\_\_\_ (For the Supplier)  
In the presence of \_\_\_\_\_

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